

# testXpert® III



**Zwick / Roell**

Intelligent Testing

## Getting started is easy!

Experience software that is intuitive and easy to use right from the start. Let testXpert III guide you through the test with clear, step-by-step instructions based on the user's lab processes.

### **BENEFIT: USER MANAGEMENT**

- » Intelligent user management means you can define different user roles or adopt user roles defined in Windows accounts with LDAP. Users see only what is important to them so they can focus on the task at hand right from the start. This simplifies use and reduces familiarization time and input errors.

High-precision plastics testing  
to ISO 527-1 with videoXtens HP

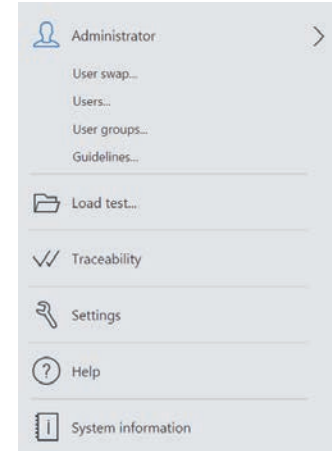
## A Workflow Based on Your Lab Processes

- Set up testing system – Configure all machine-related settings for your application.
- Configure test – Set all test-related parameters, such as selecting results with the intelligent wizard.
- Run test – Experience fast and easy navigation through the entire test sequence.
- View results – Verify all test data, also in secure mode.

The administrator can set all general settings, such as

- User management
- Traceability
- Language swapping
- Or access the comprehensive Help

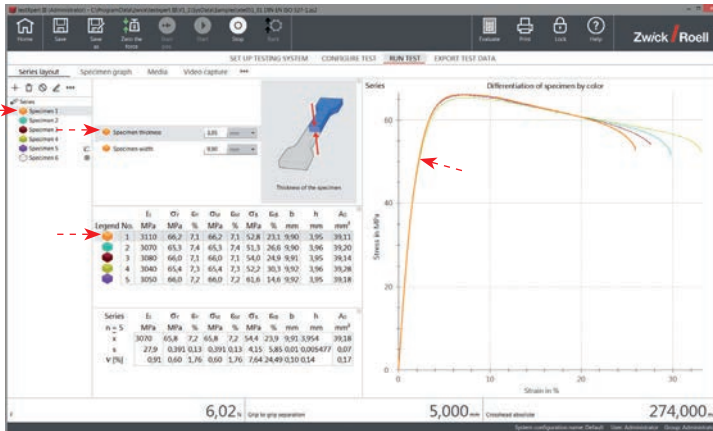
easily and in one place.



Administrator view with all functions



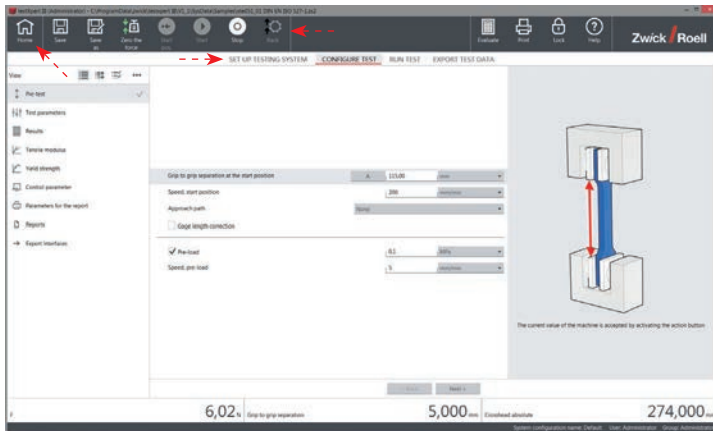
Tester view with relevant functions



Structured workflow with clear visual association of related content

## Intuitive and workflow-based right from the start!

- testXpert III is designed to be purely intuitive. The software guides you through the various steps of a test, from preparing and running the test to analyzing results.
- Find all related content associated visually in one place. Click paths have been reduced significantly thanks to the clearly and logically structured left-to-right workflow.
- Meaningful icons and a standardized structure for all applications also make it easy to quickly navigate through the software.



Intelligent wizard for test configuration

## Intelligent wizard

- The wizard shows you which test parameters must still be configured and checks your entries for plausibility.
- Functions are available at the time they are needed. Simply click the home button to change the application or test task. Right-click to view additional useful functions that are related to the view in which you are currently working.

## Innovation and experience

- testXpert III is the result of close cooperation with software users in the materials testing industry and the experience of over 30,000 successful testXpert installations.
- testXpert III's workflow-based user concept is purely intuitive and identical for all materials testing machines and instruments.
- testXpert III allows you to efficiently run standardized tests, individual test sequences, and complex tests, such as those used in research and development.

### BENEFIT: MINIMAL TRAINING TIME

- » testXpert III is a workflow-based software that keeps training time to a minimum and makes testing efficient and reliable.

Tensile test on high-strength  
fiber composites





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## The most accurate testing system on the market

testXpert III offers you reliable test results and maximum security for users and the testing system.

### BENEFIT: TRACEABILITY

- » testXpert III logs all testing system and system settings, ensuring traceable results so that you always know

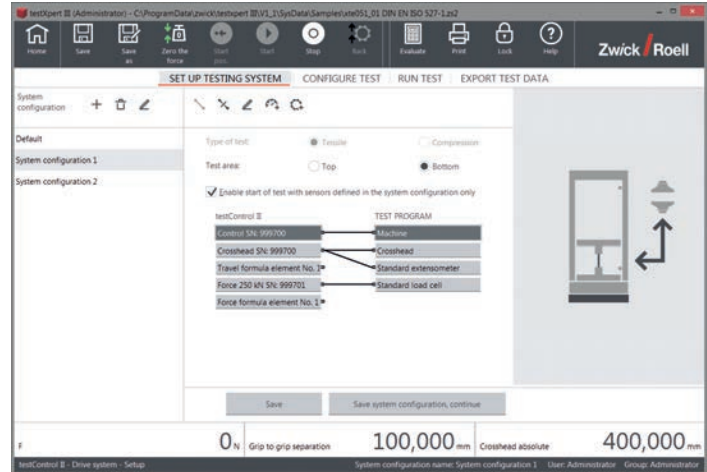
"Who does what, when, why and who is responsible."

Tamper-proof test results  
to FDA 21 CFR Part 11



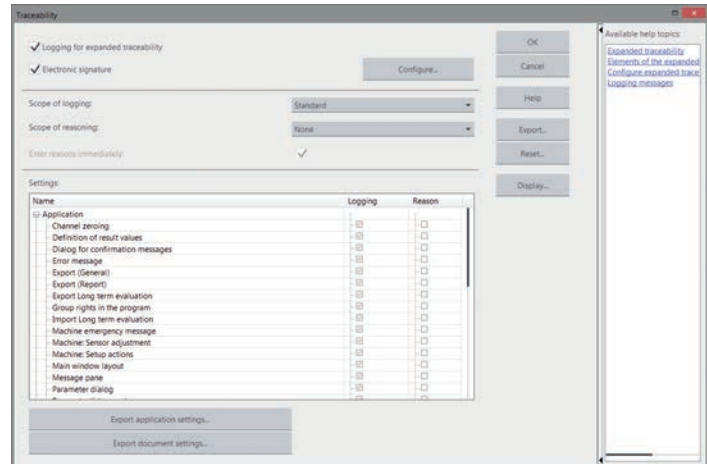
## Unique System Configuration Builder

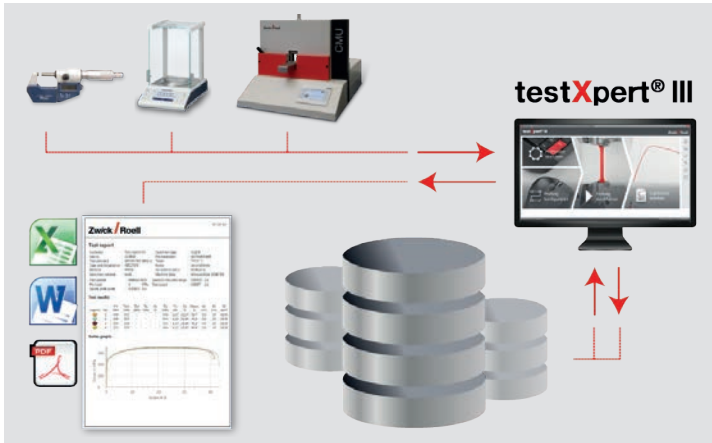
- You can preset and save all relevant testing system and safety settings such as crosshead position, fixture separation or sensor configuration with the System Configuration Builder.
- The saved system configuration checks the connected sensors. You may start the test only once parameters match the requirements.
- Saved system configurations can be restored quickly even after selecting a different test arrangement. This means you can run tests using identical settings, to ensure reproducible test conditions.



## Tamper-proof test results

- All tests that require the highest level of safety have specific requirements for traceability and documentation. As the administrator, you specify what is logged and for which procedures and events the user must enter reasons.
- testXpert III offers a combination of tools to ensure that test results are protected from manipulation at all times and that modifications and test results are traceable.

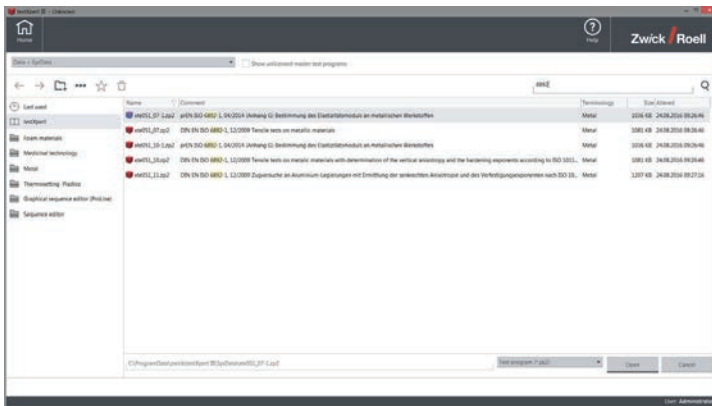




Reliable import and export of test data

## Reliable data import and export

- testXpert III communicates directly with your IT systems. Import your data quickly and directly and export it into your customary evaluation analysis platform.
- Quickly create, edit, and export test reports as needed—you only need to enter the settings once and testXpert III automatically exports data according to these settings going forward.
- Make testing easy with testXpert III's simultaneous synchronization of external sensors and measurement amplifiers.



Find the test you need quickly with the search function

## Straightforward standard-compliant testing

- With just two clicks you can start standard-compliant testing in accordance with your test program.
- testXpert III offers over 600 prepared Standard Test Programs, preconfigured to test requirements and with integrated results tables and statistics. Test to the standards in your application and let testXpert III do the rest.



## Flexible and efficient test lab

testXpert III can be integrated seamlessly into your IT structure. It minimizes input errors, increases efficiency in the test lab, and ensures reliable test results.

### BENEFIT: GRAPHICAL SEQUENCE EDITOR

- » Create individual test sequences, and combine test events, parameters, and results according to your requirements. The Graphical Sequence Editor gives you all the flexibility you need.

Strain rate control in metal tensile test to ISO 6892-1 Method A1





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## We speak the language of your industry

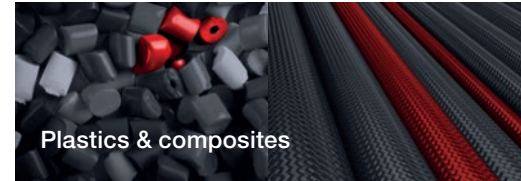
Our materials testing machines are employed successfully in more than 20 industries. Our experts are actively involved in various standards committees to ensure that current developments are incorporated in testXpert III testing software.

### **BENEFIT: FLEXIBLE TESTING**

- » testXpert III offers more than 100 functions that optimize testing to your application. The highly flexible testing system can be customized to your requirements without compromises.

Testing of vehicle seats – safety, robustness,  
and ultimate comfort

- Ensure optimal measurement conditions for melt flow testing by visually representing the MVR sequence and APC function.
- Align your composites specimens with the help of a running view of misalignment to ensure reliable test results.



Plastics & composites

- Ensure tamper-free test results for you and your customers by complying with legal regulations, for example 93/42/EWG or FDA 21 CFR Part 11.
- Create local and global parameters, reports, and dialog boxes that apply to multiple test results and machines. Ensure reliable processes and a secure backup.



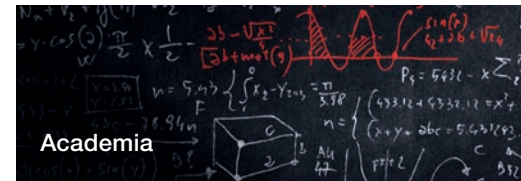
Medical

- Achieve higher product tolerances in production by determining Young's modulus on both sides and excellent strain rate control to ISO 6892-1 and ASTM E8.
- Count on your test results with validation to ISO 6892-1/TENSTAND.



Metals

- Analyze the local strain distribution and specimen behavior in detail with the DIC function and synchronous test recording.
- Determine additional material characteristics with variable real-time connection of strain gages.
- Test without limits using the customizable testXpert III All-In-Suite.



Academia

- Analyze specimen behavior with a real-time view of the test sequence or using online calculation of test results.
- Test using superimposed multi-axis solutions with only one testing software.



Automotive

# Working together to meet your needs

- Discover the experience of over 30,000 successful testXpert installations.
- testXpert III is a workflow-based software that keeps training time to a minimum.
- Let testXpert III guide you through the steps of preparing and running your test so you can test efficiently and safely.



» Visit us at ZwickRoell, speak with our experts at our trade show booths, or learn more on our website.

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